

M 7.0, JAVA, INDONESIA

Origin Time: Wed 2009-09-02 07:55:01 UTC

Location: 7.78°S 107.29°E Depth: 48 km

PAGER Version 3

Created: 2 days, 5 hrs after earthquake

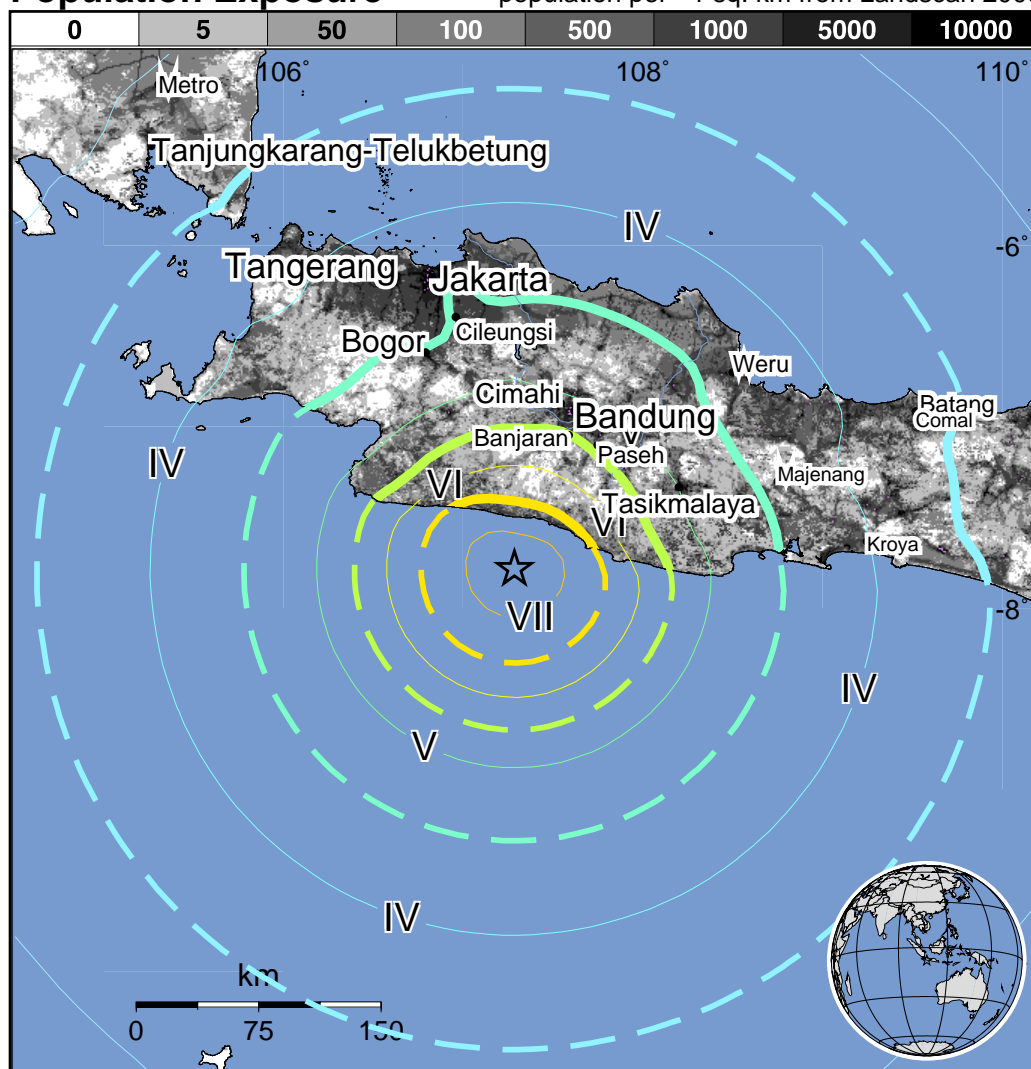
Estimated Population Exposed to Earthquake Shaking

ESTIMATED POPULATION EXPOSURE (k = x1000)		- - *	8,207k*	40,942k	26,427k	3,587k	1,051k	0	0	0
ESTIMATED MODIFIED MERCALLI INTENSITY		I	II-III	IV	V	VI	VII	VIII	IX	X+
PERCEIVED SHAKING		Not felt	Weak	Light	Moderate	Strong	Very strong	Severe	Violent	Extreme
POTENTIAL DAMAGE	Resistant Structures	none	none	none	V. Light	Light	Moderate	Moderate/Heavy	Heavy	V. Heavy
	Vulnerable Structures	none	none	none	Light	Moderate	Moderate/Heavy	Heavy	V. Heavy	V. Heavy

*Estimated exposure only includes population within the map area.

Population Exposure

population per ~1 sq. km from Landscan 2006

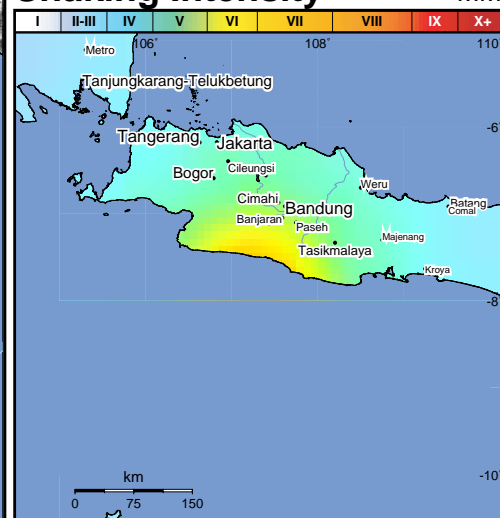


Selected City Exposure

MMI City	Population
VI Banjar	37k
VI Pameungpeuk	48k
VI Soreang	150k
VI Banjaran	164k
VI Margahayu	83k
V Wanaraja	26k
V Bandung	1,699k
V Bekasi	1,520k
IV Jakarta	8,540k
IV Tangerang	1,372k
IV Depok	1,198k

bold cities appear on map (k = x1000)

Shaking Intensity



Overall, the population in this region resides in structures that are vulnerable to earthquake shaking, though some resistant structures exist. A magnitude 7.7 earthquake and tsunami occurred in the Indonesia region 172 km south of the location of this earthquake on July 17, 2006 (UTC), with estimated population exposures of 10,838,000 at intensity V and 44,191,000 at intensity IV, resulting in an estimated 665 fatalities. On May 26, 2006 (UTC), a magnitude 6.4 earthquake occurred near the Yogyakarta, Indonesia, region 333 km east of the location of this earthquake, with estimated population exposures of 956,000 at intensity IX or greater and 2,025,000 at intensity VIII, resulting in an estimated 5,749 fatalities. Recent earthquakes in this area have caused tsunamis that may have contributed to losses.

This information was automatically generated and has not been reviewed by a seismologist.

<http://earthquake.usgs.gov/pager>

Event ID: us2009lbat